

Abstract

5 The invention relates to a stable high-performance
flat sealing material for application at a
temperature up to 330°C which is compacted by heat
and pressure in such a way that a composite film,
i.e. a reinforced (fibrous) film is obtainable by
compressing one or several non-woven fabrics or
10 one or several non-woven mat weaves at a
predetermined pressure and temperature. The
inventive flat sealing material is suitable for
highly stressed joints, in particular for cylinder
head gaskets. The thus produced composite film or
15 the (fibre and/or binder) reinforced film has the
layer thicknesses ranging from 0.01 to 3.0 mm
obtainable in one operation from one or several
non-woven fabric layers, thereby making it
possible for the first time to obtain the layer
20 thicknesses of 0.01 mm using the inventive
materials.